

ABSTRACT OF THE DISCLOSURE

An optical glass for polarizing optical system having a photoelastic constant C in the range of  $-0.2$  to  $+0.5$  [ $10^{-8}$   $\text{cm}^2/\text{N}$ ] with respect to a wavelength of 633 nm, the optical glass having the following composition (1):

composition (1): when represented in terms of wt.% of oxides:

$\text{SiO}_2$ : 17.0 - 27.0 % (35.5 - 57.0 mol%)

$\text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$ : 0.5 - 5.0 % (0.7 - 20.0 mol%)

$\text{PbO}$ : 72.0 - 75.0 % (39.1 - 45.0 mol%)

$\text{As}_2\text{O}_3 + \text{Sb}_2\text{O}_3$ : 0.1 - 3.0 % (0.1 - 2.0 mol%).